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(21) International Application Number: PCT/US99/07134 (22) International Filing Date: 31 March 1999 (31.03.99) (30) Priority Data: 09/054,666 3 April 1998 (03.04.98) US 09/273,152 19 March 1999 (19.03.99) US (71) Applicant: COLGATE-PALMOLIVE COMPANY [US/US]; 300 Park Avenue, New York, NY 10022 (US). (72) Inventors: POTECHIN, Kathy, J.; 15 Spenser Drive, Short Hills, NJ 07078 (US). GUENIN, Eric, P.; 305 Kentshire Court, Hopewell Township, NJ 08638 (US). TANG, Xiaozhong; 833 Davidson Road, Piscataway, NJ 08854 (US). MATTAI, Jairajh; Apartment 21B, 280 River Road, Piscataway, NJ 08855 (US). LINN, Elizabeth; 621 Fifth Avenue, Lyndhurst, NJ 07071 (US). LEE, Wilson; 51 Hearthstone Road, Bloomfield, NJ 07003 (US). VINCENTI, Paul; 95 Minnisink Road, Jefferson, NJ 07849 (US). (74) Agent: MIANO, Rosemary, M.; Colgate-Palmolive Company, 909 River Road, P.O. Box 1343, Piscataway, NJ 08855-1343 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 18 November 1999 (18.11.99)
(54) Title: LOW RESIDUE COSMETIC COMPOSITION (57) Abstract This invention comprises low residue cosmetic compositions (especially underarm products) which are made by combining an active ingredient; a silicone gel material itself comprising an elastomer composition; and at least one selected surfactant having an HLB value in the range of 8-16. The compositions of this invention exhibit reduced or eliminated film formation when applied to the skin and increased availability of the active ingredient.		

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/07134

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 A61K7/48 A61K7/50 A61K7/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 818 190 A (UNILEVER PLC, UNILEVER N.V.) 14 January 1998 (1998-01-14) the whole document	1-37
E	WO 99 32070 A (UNILEVER PLC, UNILEVER N.V.) 1 July 1999 (1999-07-01) the whole document	1,9-16, 35-37
X	EP 0 381 318 A (DOW CORNING LTD) 8 August 1990 (1990-08-08) the whole document	1,9-16, 35-37
X	WO 96 18374 A (ESTEE LAUDER, INC.) 20 June 1996 (1996-06-20) claims 1,3,12,16; example 2	1,9-16, 35-37
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/07134

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 00102 A (UNILEVER PLC, UNILEVER N.V.) 8 January 1998 (1998-01-08) claims 1-9; examples 1A, 2-10 ---	1, 9-16, 35-37
X	DATABASE "CHEMICAL ABSTRACTS" (HOST: STN, Karlsruhe, DE); abstract 123: 179 127; & JP 07 165 529 A (KOSEI KK) 27 JUNE 1995 XP002115983 the whole document ---	1
L	DATABASE "CHEMICAL ABSTRACTS" (HOST: STN Karlsruhe, DE); abstract 131:106 625; & JP 11 193 214 A (KOSEI KK) 21 JULY 1999 XP002115984 the whole document ---	1
X	DATABASE "CHEMICAL ABSTRACTS" (HOST: STN Karlsruhe, DE); abstracts 126: 108 664; & JP 08 295 620 A (KANEBO, Ltd) 12 NOVEMBER 1996 XP002115985 the whole document ---	1
X	DATABASE "CHEMICAL ABSTRACTS" (HOST: STN, Karlsruhe, DE); abstract 128: 26 749; & JP 09 286 710 A (SHISEIDO CO., Ltd) 4 NOVEMBER 1997 XP002115986 the whole document -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 99/07134

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 818190	A	14-01-1998	JP 10101535 A	21-04-1998
WO 9932070	A	01-07-1999	NONE	
EP 381318	A	08-08-1990	CA 2009014 A	01-08-1990
			DE 69003956 D	25-11-1993
			DE 69003956 T	07-04-1994
WO 9618374	A	20-06-1996	US 5599533 A	04-02-1997
			AU 706178 B	10-06-1999
			AU 3462595 A	03-07-1996
			CA 2197320 A	20-06-1996
			CN 1169109 A	31-12-1997
			EP 0813403 A	29-12-1997
			JP 9511763 T	25-11-1997
WO 9800102	A	08-01-1998	AU 2293597 A	21-01-1998
			EP 0910336 A	28-04-1999
			US 5853741 A	29-12-1998
			US 5750123 A	12-05-1998
			ZA 9702288 A	17-09-1998